



## MDSS II 7.2 / ICODES 5.4.3.1 DATA SHARING

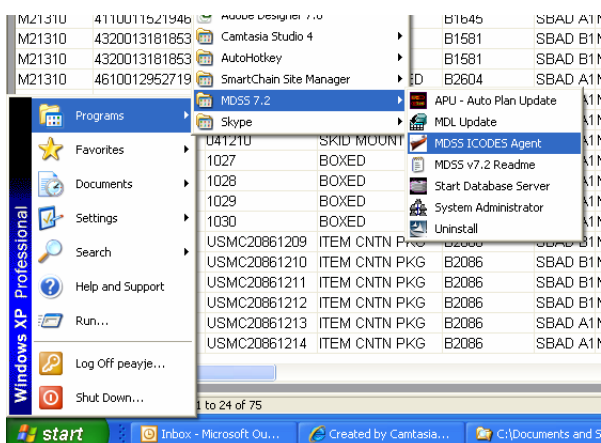
Date: 12 November 2008

**Quick Notes Objective:** To provide the operational forces a concise guide on how to install and setup MDSS II /Integrated Computerized Deployment System (ICODES) two way auto exchange . . . develop electronic data-pumping interface between ICODES and MDSS II. The interface will allow MDSS II and ICODES to synchronize data manipulated in either of the two systems.

This program allows you to synchronize cargo data between the MDSS II and ICODES systems (usually on the same computer). MDSS II is the USMC system of record for documenting cargo data. Each system has a folder where it stores changes made in that system. The other system then looks in that folder for changes and, if found, they are applied to that system. This process is established by first starting MDSS II and activating its agent. The agent then sends a file containing ALL records in that plan to the folder previously mentioned. ICODES then processes that file and does an "Auto-Merge" by applying all updates, adds, and deletes based on the UIC / NSN / Pkg ID / Serial Number combination. Once this is complete, each system will generate its change files for the other system to access. This cyclical process then continues until the connection is broken between MDSS II and ICODES.

## STARTING MDSS II ICODES AGENT

1. Open plan in MDSS II, ensure the MDSS II data is correct, Embarkation Packages have been built and Transportation Control Numbers (TCNs) have been generated (if applicable). Enable Data Sharing by selecting, <Start>, <Programs>, <MDSS 7.2>, <MDSS II ICODES Agent>.





2. This brings up the “MDSS II – ICODES Agent” login window. Enter the same User ID and Password as used to log into MDSS II. Ensure the Database and Server name are correct then click <OK>.

A screenshot of the "MDSS II - ICODES Agent" login window. It has a blue title bar with the text "MDSS II - ICODES Agent" and a close button. The window contains four input fields: "User ID" with the text "jsp", "Password" with masked characters "\*\*\*\*\*", "Database" with a dropdown menu showing "LOGAISLOCAL", and "Server Name" with a dropdown menu showing "LMVAJ-PEAYJE | 19...". At the bottom are "Ok" and "Cancel" buttons.

3. To synchronize MDSS II and ICODES select the correct plan. The MDSS II plan that is open should be the plan listed in the “Select Plan:” box. If not, use the drop down arrow to select the correct plan. Select <Start>.

*Note: The Drop down arrow will display all the plans you have in the MDSS II database.*

A screenshot of the "MDSS II - ICODES Agent" main window. It has a blue title bar with the text "MDSS II - ICODES Agent" and standard window controls. The window contains a "Select Plan:" label followed by a dropdown menu showing "30153-LOS AIT". To the right of the dropdown is a "Refresh" button. At the bottom are four buttons: "Start", "Stop", "Exit", and "Repository".

4. This completes the MDSS II portion of the Data Sharing process.

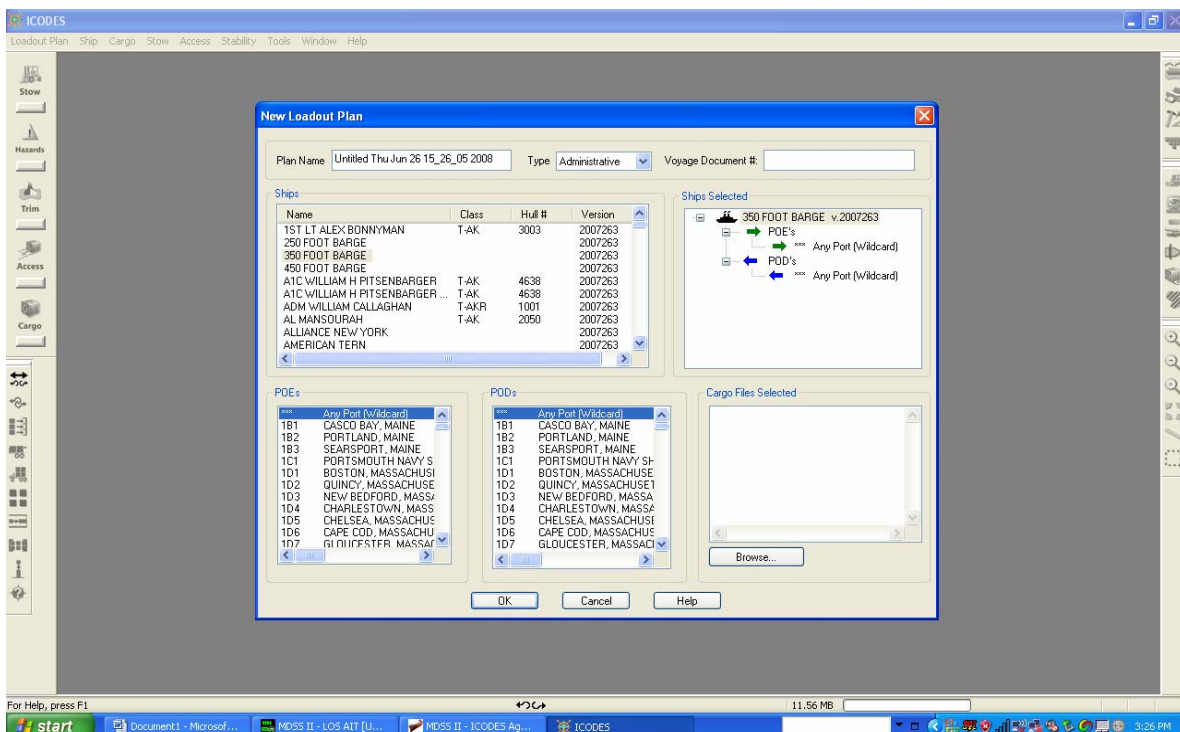


## LAUNCHING ICODES

5. Open ICODES 5.4.3.1 by selecting **<Start>**, **<Programs>**, **<ICODES V5>**, **<ICODES V5>**. Click **<OK>** at the “DOD Warning” window and log into ICODES using your user name and password you created during the ICODES 5.4.3.1 install, click on **<OK>**.

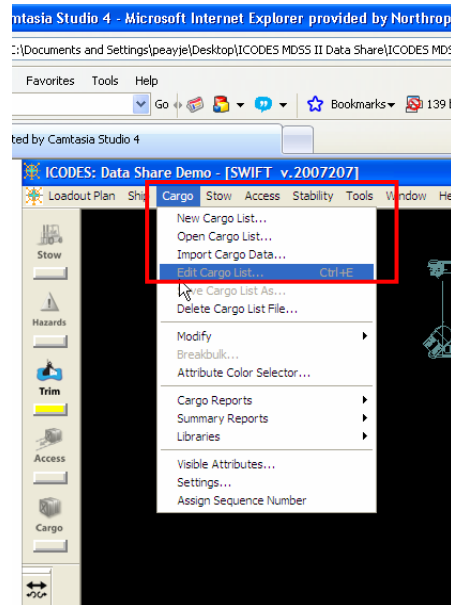


6. After ICODES opens, create a new load by selecting **<Loadout Plan>**, **<New Plan>**. In the “New Loadout Plan” window select the movement criteria; Plan Name, Load Type, Voyage Document #, Ship, POEs and PODs, then select **<OK>**.

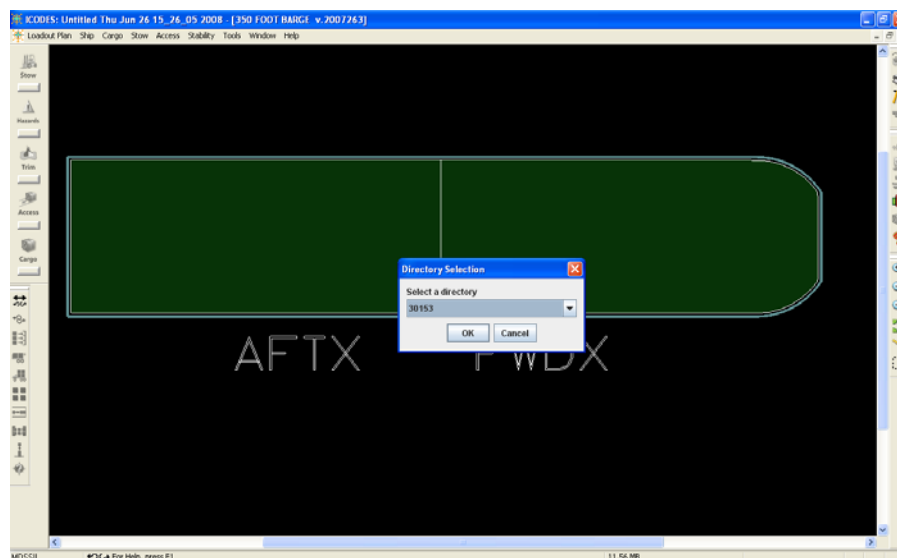




*Note: Usually after the deck diagram opens the user would select <Cargo>, <Edit Cargo List> to see the cargo. But it is grayed out as the data sharing startup process is not yet completed.*



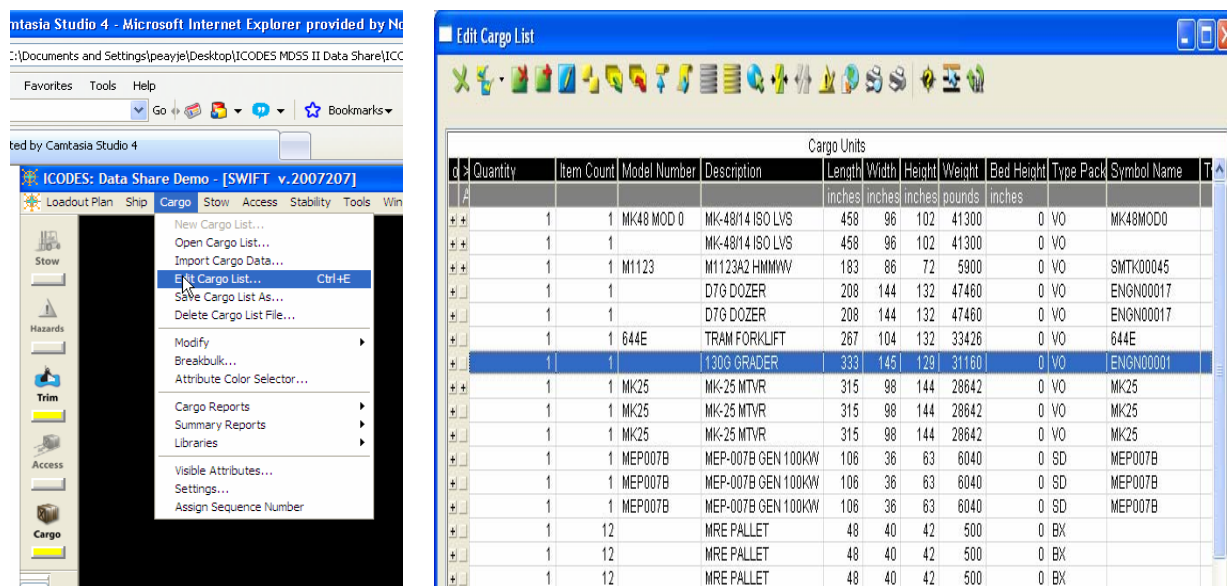
7. Once the selected Deck Diagram opens start the “ICODES Listening” portion of this process. To do this select **<Tools>**, **<MDSS II>**, wait for MDSS II to appear just above the start button. This shows that the ICODES Agent has started. After MDSS II appears select **<Tools>**, **<Connect to the MDSS II Plan>** after which the “Directory Selection” window appears. The Directory is based off the MDSS II PLAN ID. Select the plan ID to connect with and then select **<OK>**. The message “Reading from MDSS II” will quickly appear and the ICODES system icons will start flashing. The message “MDSS II listening” will appear when completed and the systems are ready to share data.



*To provide life cycle support and services to enhance and ensure logistics readiness through the maintenance, modification and modernization of designated, fielded logistics automated information systems (LOGAIS) in order to meet the needs of the Marine Corps' logistics community, under all conditions of peace and war.*



8. After the ICODES Agent has processed all items coming into the cargo list, the user can verify the cargo by selecting **<Cargo>**, **<Edit Cargo List>**.



9. Cargo can now be placed (stowed) on the deck diagram by selecting **<Stow>**, **<User Stow>**, **<By Template>**. Select the cargo to be placed and stow your selected items on the diagram.

10. After placing the cargo on the deck diagram users can validate that MDSS II has updated informational data from ICODES. Go back to MDSS II, select **<Edit>**, **<Retrieve>** and then view the updated compartment information.

UNIT OF ISSUE	EMBARK ID	TAG ID	ZONE IDENTIFIER	COMPARTMENT	MANUFACTURE DATE	MANUFACTURE CODE	CAP SET	SL3	CUSTODY CODE	LTD QTY	LOAD NUMBER
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	
EA	SEALIFT			AFTX	0000-00-00					N	
	SEALIFT			AFTX	0000-00-00					N	





## DATA SHARING

1. Data sharing between ICODES 5.4.3.1 & MDSS II 7.2. After stowing, the cargo details can be adjusted in ICODES by selecting <Cargo>, <Edit Cargo List>, click on the “Edit Cargo” icon at the top of the page to pull up that items data.

Edit Cargo List

Cargo Units												
Q	Quantity	Item Count	Model Number	Description	Length inches	Width inches	Height inches	Weight pounds	Bed Height inches	Type Pack	Symbol Name	T
+	1	1	MK48 MOD 0	MK-48/14 ISO LVS	458	96	102	41300	0	VO	MK48MOD0	
+	1	1		MK-48/14 ISO LVS	458	96	102	41300	0	VO		
+	1	1	M1123	M1123A2 HMMWV	183	86	72	5900	0	VO	SMTK00045	
+	1	1		D7G DOZER	208	144	132	47460	0	VO	ENGN00017	
+	1	1		D7G DOZER	208	144	132	47460	0	VO	ENGN00017	
+	1	1	644E	TRAM FORKLIFT	267	104	132	33426	0	VO	644E	
+	1	1		130G GRADER	333	145	129	31160	0	VO	ENGN00001	
+	1	1	MK25	MK-25 MTR	315	98	144	28642	0	VO	MK25	
+	1	1	MK25	MK-25 MTR	315	98	144	28642	0	VO	MK25	
+	1	1	MK25	MK-25 MTR	315	98	144	28642	0	VO	MK25	
+	1	1	MEP007B	MEP-007B GEN 100KW	106	36	63	6040	0	SD	MEP007B	
+	1	1	MEP007B	MEP-007B GEN 100KW	106	36	63	6040	0	SD	MEP007B	
+	1	1	MEP007B	MEP-007B GEN 100KW	106	36	63	6040	0	SD	MEP007B	
+	1	12		MRE PALLET	48	40	42	500	0	BX		
+	1	12		MRE PALLET	48	40	42	500	0	BX		
+	1	12		MRE PALLET	48	40	42	500	0	BX		

2. Change the dimensional data of the Road Grade to 800 inches from its current length of 333 inches, select <OK>.

Edit Cargo

Item Count: 1	Type Expl: None/Articles
Model Number:	Rounds: 1
Description: 130G GRADER	NEW/Round: 0.000000 lbs.
Length: 800"	Total NEW: 0.000000 lbs.
Width: 145"	MSE: CSSE
Height: 129"	UPTT Code: 22
Weight: 31160 lbs.	Section: HE
Bed Height: 0"	Seal Number:

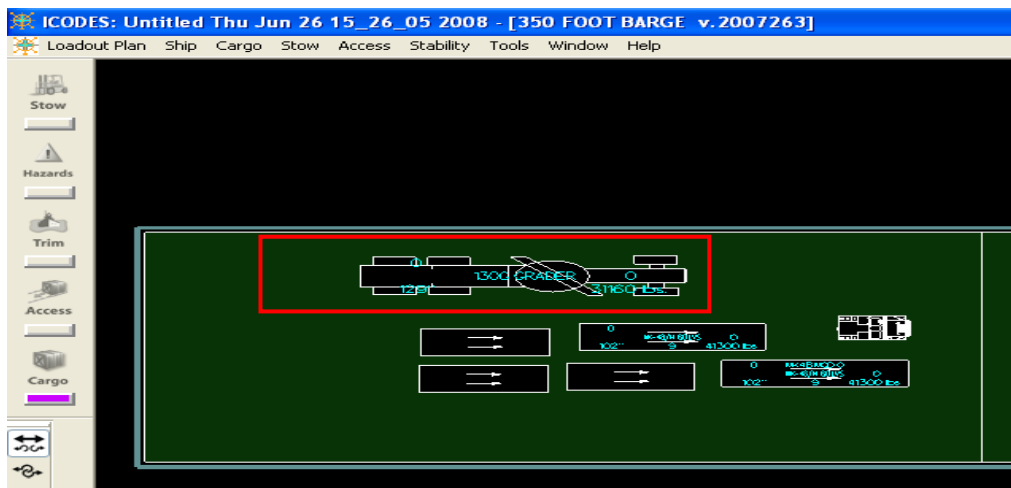
Apply change to ☒ All or ☐ Quantity of 1

Length of the item (without considering its children)

OK Attribute Import Cancel Help



3. Return to the ICODES Loadout plan and ICODES will incorporate the changes as it updates. The changes are complete when the Road Grader's template has changed size (lengthened).



4. Return to MDSS II. Select <Edit>, <Retrieve> and review the Road Grader's dimensional data. The new length is 800 inches.

Z	VO		28642 MK-25 MTVR	315	98	144	28642	R1D	9
Z	VO		47460 D7G DOZER	208	144	132	-18076	A1D	9
Z	VO		47460 D7G DOZER	208	144	132	-18076	A1D	9
Z	VO		33460 TRAM FORKLIFT	267	104	132	-32110	R1D	9
Z	VO		31100 130G GRADER	800	145	129	31160	R1D	
R	LS		3000 HALFCON FRAME	120	96	96	10000	J2B	
R	LS		3000 HALFCON FRAME	120	96	96	10000	J2B	

5. Data sharing from MDSS II 7.2 to ICODES 5.4.3.1: Change dimensional data in MDSS II and with the MDSS II ICODES Agent started, automatic updates between the systems will occur. To change the dimensional data back using MDSS II simply change the length back to 333 inches and click off the record to save the changes.

Z	VU		28642 MK-25 MTVR	315	98	144	28642	R1D	9
Z	VO		28642 MK-25 MTVR	315	98	144	28642	R1D	9
Z	VO		47460 D7G DOZER	208	144	132	-18076	A1D	9
Z	VO		47460 D7G DOZER	208	144	132	-18076	A1D	9
Z	VO		33460 TRAM FORKLIFT	267	104	132	-32110	R1D	9
Z	VO		31100 130G GRADER	333	145	129	31160	R1D	
R	LS		3000 HALFCON FRAME	120	96	96	10000	J2B	
R	LS		3000 HALFCON FRAME	120	96	96	10000	J2B	
R	LS		3000 HALFCON FRAME	120	96	96	10000	J2B	
R	LS		3000 HALFCON FRAME	120	96	96	10000	J2B	
D	RV		33460 TRAM FORKLIFT	118	96	96	33460	J2B	



6. Switch to the ICODES Loadout plan to view the changed (reduced in size) template for the Road Grader. The cargo details can also be viewed by selecting <Cargo>, <Edit Cargo List>, and selecting the item.

